

FY 2006 SUMMARY
USACE / SCA CONSERVATION INTERN & CREW PARTNERSHIPS

IDAHO

Dworshak Reservoir

12 week intern: 5/23/2006 - 8/14/2006.

Visit Dworshak Reservoir - A Treasure Worth Discovering! Dworshak Dam & Reservoir in central Idaho is located in scenic forested and mountainous country along the North Fork of the Clearwater River. At a height of 717 feet the Dam is the highest straight-axis gravity dam in North America as well as one of the most dramatic in appearance. The 183 miles of shoreline frames the deep clear lake that makes Dworshak a favorite for recreationists. Responsibilities include: meet, greet and provide information to the public at our visitor center 50%; assist with assembling interpretive materials for exhibits, posters, informational handouts and events 10%; present on-site interpretive programs to a variety of audiences ranging in age from preschool to seniors 10%; operate audio-visual equipment 5%; operate office equipment including computers, copiers etc. 10%; work with and lead volunteers on a regular basis to assist with interpretive and informational duties 15%. Training/Educational opportunities: on the job training; independent project possible. Require: US citizenship; academic background or experience in interpretation, resource management, natural sciences and/or environmental education; demonstrated proficiency in public speaking; ability to work well in a team; provide excellent public contact service; must effectively communicate (in both written and spoken form) in the English language.

IOWA

Coralville Lake

52 week intern: 9/15/2006 - 9/14/2007.

Use you GIS skills to map out your future. The US Army Corps of Engineers manages Coralville Lake in Iowa as a multiple use project providing primary benefits in flood control and low flow augmentation, and secondary benefits in recreation, fish and wildlife management, forest management and water quality improvement. The many woodland areas are primarily upland oak/hickory hardwood forests. The primary focus of this internship will be to advance the GIS program at Coralville Lake. Responsibilities include: GPS all hiking and single track mountain bike trails (12 miles and 10 miles respectively), fee title boundary monuments and markers (between 60 and 80 miles of boundary), lake hazards and utilities in the recreation areas; digitize compartment management units; create geodatabases and make the GPS data web accessible; assist with prescribed burns (both prairie and woodland) and invasive species management. Training/Educational opportunities: GPS unit use; S130 Fire Fighter Training and S190 Introduction to Wildland Fire Behavior; geodatabase construction implementation (possible). Opportunity to attend a wide variety of local and regional workshops covering many natural resource topics such as invasive species management, shade tree management and GIS topics (e.g. ArcGIS 9, ArcIMS etc.). Require: valid driver's license; ability to drive 4WD vehicles; good physical condition; ability to walk several miles in rough terrain and brush carrying a pack (approximately 10 lbs for the GPS unit and a 45-lb pack for prescribed fire); strong background in GIS (ArcView/ArcGIS) and GPS. Desire: strong background in natural resource management conservation methods and natural history

KENTUCKY

Buckhorn Lake

12 week intern: 4/1/2006 - 7/2/2006.

Attention GIS/GPS enthusiast! Your field is growing and people like you are in demand. Buckhorn Lake, in Leslie and Perry counties in Southeastern Kentucky, is situated in the Cumberland Plateau of eastern Kentucky. Buckhorn Lake was authorized by the Flood Control Act of 1938. The Louisville District of the US Army Corps of Engineers designed built and operates the project to reduce flood damages downstream from the dam. This is an area that possesses a

landscape as rugged and extraordinary as any found in the state. The plateau is deeply traversed by a series of narrow winding valleys separated by steep watersheds and covered by a network of continuously branching streams. Originating in the southeast and flowing generally northwestward, the Kentucky River is one of this region's major rivers. Responsibilities include: gather and collect GPS data and transfer it into project GIS server, 50%; plot and mark project boundary near proposed hiking trail areas, 10%; organize and assist volunteers in constructing new hiking trails, 25%; assist Park Ranger staff with various natural resources and public

relations related projects, 15%. Training/Educational opportunities: Department of Defense Information Assurance Training; defensive driving; POSH (Prevention of Sexual Harassment); CPR; Safe Self Visitor Assistance Training; bloodborne pathogens; CO2 (Consideration of Others). Require: US citizenship; valid driver's license; ability to drive manual transmission vehicles; intermediate computer and word processing skills. Desire: background in forestry, natural resources or recreation.

MASSACHUSETTS

West Hill Dam & Charles River NVSA

52 week intern: 1/9/2006 - 1/9/2007

52 week intern: 7/1/2006 – 6/30/07

This position is an excellent opportunity for you to enhance your GIS/GPS skills, and build that resume. The Charles River Natural Valley Storage Area consists of 8,400 acres of wetlands nestled in 17 towns along the Charles River starting in Boston, Massachusetts. These wetlands are only at an elevation of about 90 to 126 feet above sea level and follow the Charles River through typical New England swamps. Website: www.nae.usace.army.mil/recreati/massachu Responsibilities include: locate Corps boundary and easement lines and markers (using GPS Trimble Geoexplorer- 3: version- 2.90), gather data and enter into database for export into Arcview GIS; scan survey related documents; install Carsonite markers/signs as directed. Other GIS assignments may become available. Training/Educational opportunities: on-the-job training for use of Trimble GeoExplorer- 3 and Arcview software. Require: US citizenship; valid driver's license; ability to driver 4WD vehicle; college course and lab work or volunteer/paid experience with ArcView 8.X Trimble Geo-Explorer- 3; physically able to walk up to 1 to 2 miles with equipment (about 20 pounds). Desire: computer skills (Windows 2000 NT and PowerPoint).

NEW YORK

New York District

12 week interns: (2) 5/15/06 – 8/15/06

Responsibilities Include: Monitor for the presence of Piping Plover (Federally threatened species- Atlantic coast population) and Least Tern (state threatened species); identify nest sites, note eggs, chicks and follow brood to maturity (i.e. fledging); assist with erecting enclosures, fencing and move fences as appropriate; keep a note book and record sightings for each monitoring; surveys the Seabeach Amaranth (a Federally threatened plant) during late June, July and until mid August (as time permits). Require: US citizenship; valid driver's license; familiarity with biology of shorebirds and terns, specifically Piping Plover and Least Tern; ability to interact with the public; ability to take careful notes; ability to walk at least 4 miles per day, 6 days per week in sand; familiar with and ability to adhere to protocols that will be given at the start of the field season. One of the interns must have superior credentials (minimum of BS degree with ornithology courses and substantial previous experience with Piping Plover) since they will act as the team leader and be responsible for the team and the weekly reports and final report. For the team leader: MA in ornithology or wildlife biology. For steward interns: previous experience monitoring Piping Plover and Least Tern.

OREGON

Bonneville Dam Columbia River Gorge

26 week intern: 2/1/2006 - 8/2/2006.

Welcome to the Columbia River Gorge! This magnificent area is defined by the passageway made by the Columbia River as it cuts through the Cascade Mountains. The Gorge is home to countless quaint towns, spectacular vistas and world class hiking, biking, fishing, scenic drives, sail boating, windsurfing and kiteboarding. Cascade Locks, where you will live, is just 4 miles from the Bonneville Lock and Dam, located on the Oregon side of the Columbia River and surrounded by the Columbia River Gorge National Scenic Area. This is a fish/wildlife management position that supports ongoing efforts to study and manage fish predation with several agencies working together to test different means of safely and to effectively controlling fish predation.

Responsibilities include: mammal predation observation involving identification of different fish and sea lion species, number of sea lions present and observation of their activities, 65%; avian predation observation including at The Dalles and John Day project sites 30%; data management and analysis 5%. Training/Educational opportunities: identification of key mammal, fish and avian species; data collection techniques including video recording; radio communication protocols.

Opportunity to get involved in a range of wildlife management activities, working at three different Army Corps sites which may will overlap with that of other agencies working on the Columbia River. Require: US citizenship; valid driver's license; some experience with MS Excel for basic data entry; background or interest in biology, wildlife management and/or natural sciences; ability to see well for long distances in order to identify different species from far away, stand in place for prolonged periods, walk occasionally throughout the day and work in inclement weather including rain cold and wind; positive attitude and professional conduct; ability to work alone. Desire: BA/BS in biology or similar field. Position runs Qualifications: Additional information: Housing will be available in nearby Cascade Locks. You will receive a housing stipend in addition to a living stipend. Most of your time will be spent outdoors conducting various field observations, working alone with occasional communication with other interns and supervisor via radio. Some work sites are open to the public so you will occasionally interact with visitors.

Public speaking skills and a high level of professionalism; proven ability to work independently and resourcefully in order to complete and implement projects; ability to work in a variety of weather conditions and environments. Desire: experience conducting tours and creating educational curricula for a variety of audiences.

21 Day Conservation (High School) Crew: Six members, two leaders.

Noxious weed removal, trail clearing and trail construction.

TENNESSEE

Nashville District Office

52 week intern: 3/6/2006 - 3/5/2007

Description: Map out your next adventure with this GIS opportunity in Nashville, Tennessee, nicknamed Athens of the South because of The Parthenon, the only full scale replica of the Greek temple in the world. Nashville is also nicknamed Music City, USA, in honor of the city's role in the history and formation of country music. The city has natural beauty, southern hospitality, serene weather and something for everyone. It has music, arts, sports, recreation (NFL team, arena football, college football, national league hockey, minor league baseball), history, heritage, nature, outdoors (parks, lakes, river), shopping malls and outlets all within commuting distance. Dome-like geography the Nashville Basin surrounds the states capital, Nashville, with steep slopes and ridges called the Highland Rim. The Nashville District US Army Corps of Engineers encompasses over 59,000 square miles and includes parts of seven states. It has regulatory flood control, navigation hydropower and recreational responsibility for the Cumberland River watershed. The district office is located in the Estes Kefauver Federal Building in downtown Nashville. You will assist the GIS Specialist. Responsibilities include: perform digitizing, scanning and editing of digital data, 10%; gather data in the field with GPS equipment and enter collected

data into system, 10%; create GIS layers and maps of various natural resources features, 70%; import information into ArcGIS, 10%. Training/Educational opportunities: first aid/CPR; defensive driving; on-the-job training of how the federal government works by networking with natural resource management professionals. Opportunity for field trips to all 10 lakes in the Nashville District. Require: US citizenship; valid driver's license; academic course and lab work or volunteer/paid experience with ArcGIS 8.X and ArcVIEW; computer skills (Windows XP Word Excel Access etc.).

VERMONT

Upper Connecticut River Basin

12 week interns:

Connecticut River Basin area consists of 7 flood control reservoirs and adjacent lands totaling about 8,000 acres of wetlands, hills, and valleys in southeastern Vermont and southwestern New Hampshire. Responsibilities include: assist with various wildlife inventories (small mammals, birds, reptiles) in a variety of habitats and locations, 75%; assist with a variety of resource management activities, 15%; computer data entry, 10%. Training/Educational opportunities: inventory and monitoring protocols; CPR/first aid; defensive driving. Require: US citizenship; interest in natural resources field work; ability to work in inclement weather; willingness to learn; valid driver's license. Desire: experience with computers and GPS; skill in identifying birds by sight and sound; ability to handle small mammals.

26-52 week interns:

Responsibilities include: GIS/GPS related duties 80%; other- mainly natural resources related 20%. Training/Educational opportunities: defensive driving; first aid /CPR; on the job training. Require: US citizenship; knowledge of ArcGIS 8.x, Trimble GeoExplorer GPS, various computer software. Desire: ability to swim; sense of humor..

26-52 week interns:

Responsibilities include: small mammal and bird surveys, 40%; habitat surveys, 20%; data entry, 20%; other natural resource activities, 20%. Training/Educational opportunities: defensive driving and wildlife survey techniques. Require: US citizenship; valid driver's license; natural resources background; willingness to learn. Desire: bird ID skills (sight and sound); sense of humor; pride in work.

30 day Conservation (High School) Crew. Six members, two leaders. Invasive plant removal, trail reconstruction and maintenance.

WASHINGTON

Chief Joseph Dam

21 day Conservation (High School) Crew. Six members, two leaders. Campground clearing, trail clearing, noxious weed mapping and removal.

Clarkston Natural Resource Office

26 week intern: 12/1/2005 - 5/30/2006

Welcome to Clarkston Gateway to Hell's Canyon! The twin cities of Clarkston, Washington and Lewiston, Idaho were named in honor of the famous explorers William Clark and Meriwether Lewis from the Corps of Discovery Lewis and Clark Expedition. As they led the Corps of Discovery through our area in 1805 they were provided much needed assistance from the Nez Perce Indians in the region. Located at the confluence of the Snake and Clearwater Rivers, surrounded by gentle rolling hills, the Lewis-Clark Valley is located 465 river miles from the Pacific Ocean and is at the head of the navigation system of the Columbia/Snake River. The area is often referred to as the "Banana Belt" due to the areas low elevation (731 feet above sea level). Year-round warm weather and mild winters allow golfing all year. You can choose from an array of activities such as water skiing, sailing, fishing, swimming, walking or riding along miles of

paved levee pathways or camping at a riverside park. The Army Corps of Engineers Clarkston Resource Office is part of the Army Corps Walla Walla District. Responsibilities include: collect field inventory of Army Corps property such as recreation support equipment and create a user-friendly database to house this information and train other Army Corps staff to use it, 80%; create touch-screen programs for visitor use utilizing web-based information, 10%; assist with grant writing to raise funds for preservation of a historic site in Clarkston (possible), 10%.

Training/Educational opportunities: orientation to the Clarkston Field Office and necessary resources. Opportunity to work closely with Army Corps GIS professionals and have the option of participating in grant writing. Require: US citizenship; valid driver's license; academic background in geography or related field; experience with GIS and GPS utilization; ability to work with html and develop simple databases; ability to work independently. Desire: strong writing skills..